

BANDWIDTH MANAGEMENT TECHNIQUES FOR DELIVERY OF INTERACTIVE PROGRAM GUIDE
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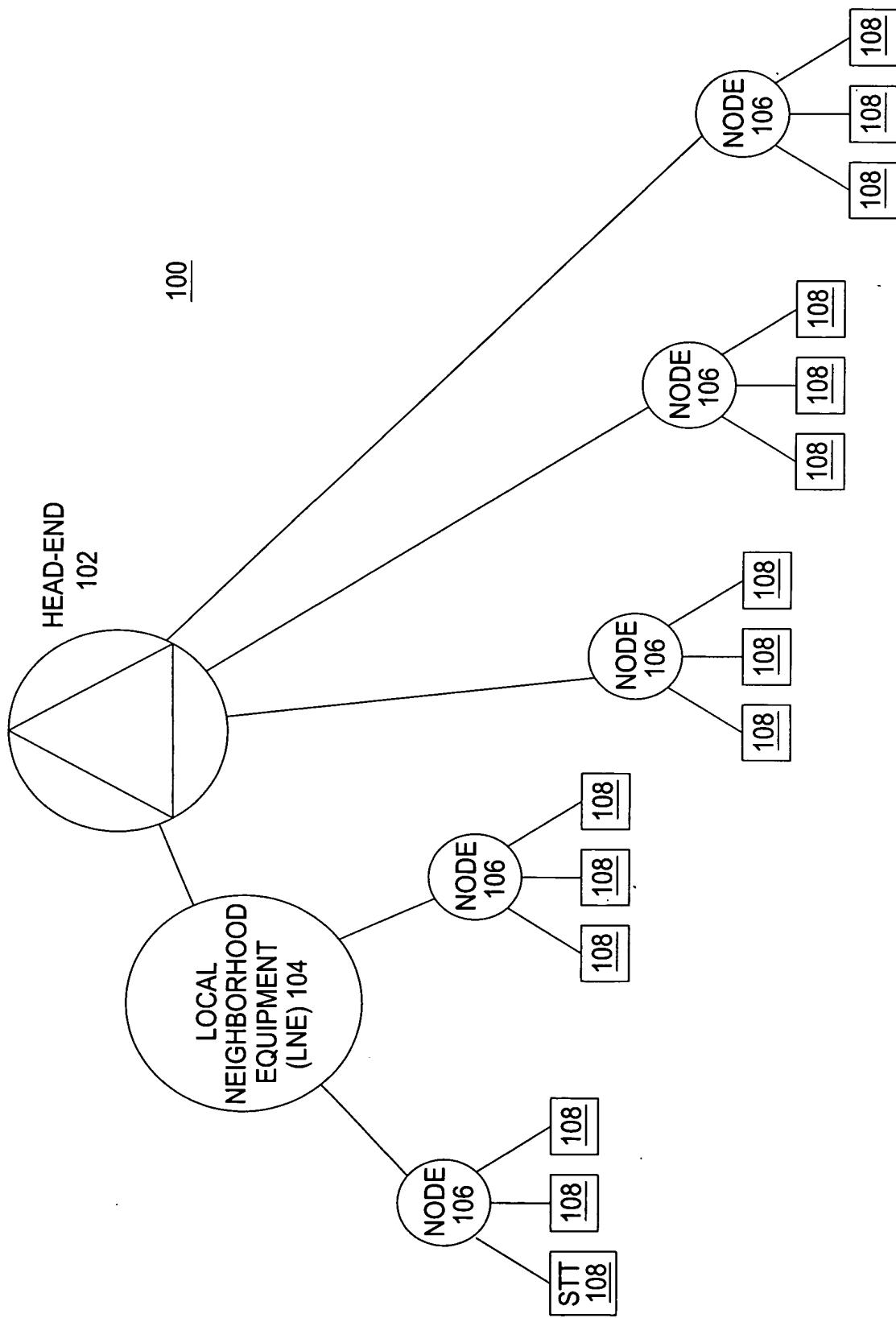


FIG. 1

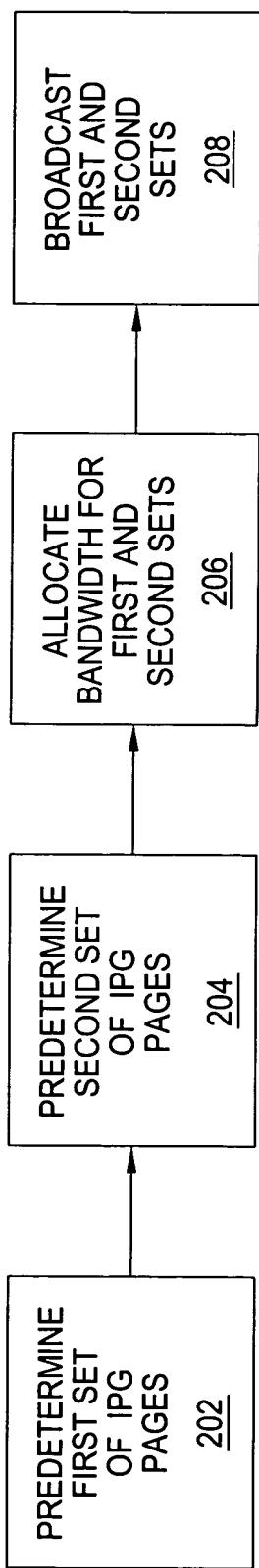
BROADCAST (PUSH) METHOD
200

FIG. 2A

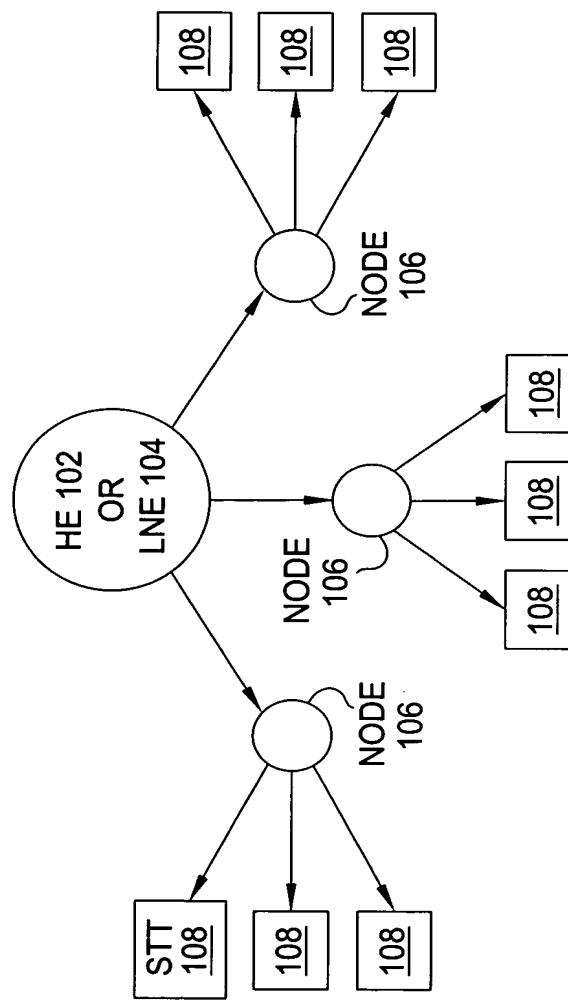
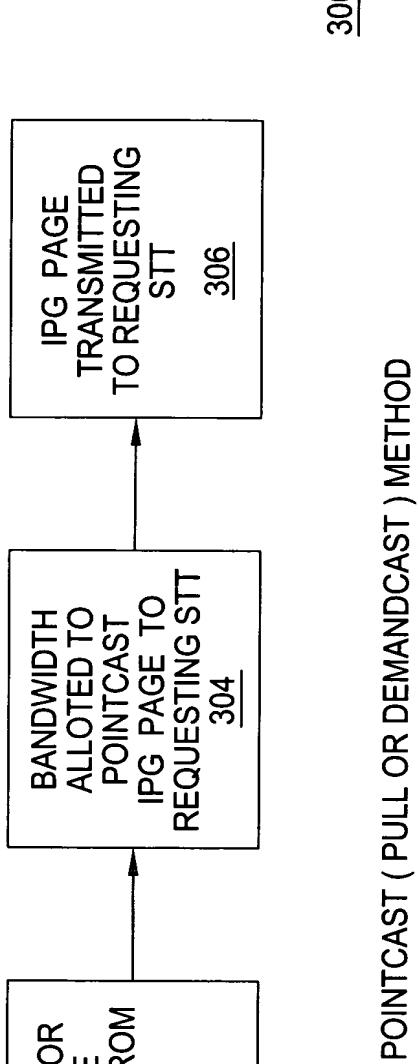
BROADCAST (PUSH) TOPOLOGY
250

FIG. 2B



POINTCAST (PULL OR DEMANDCAST) METHOD

FIG. 3A

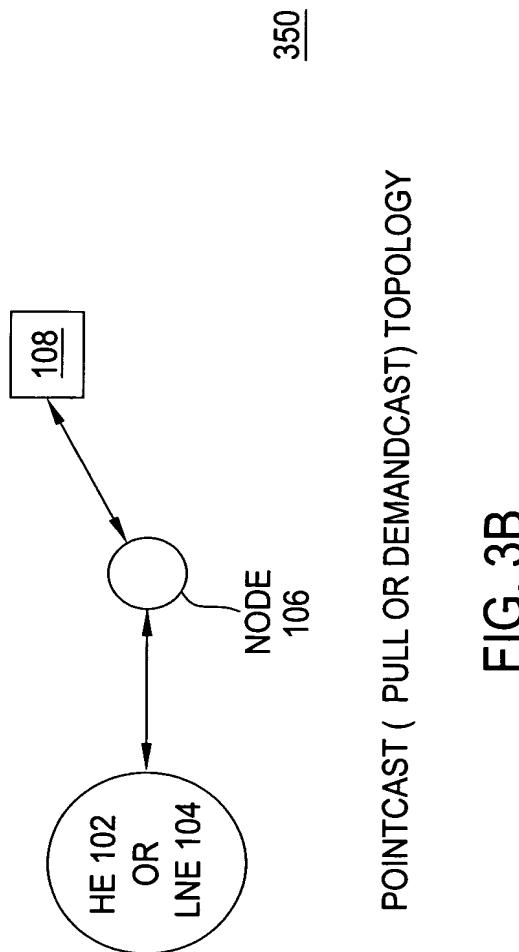
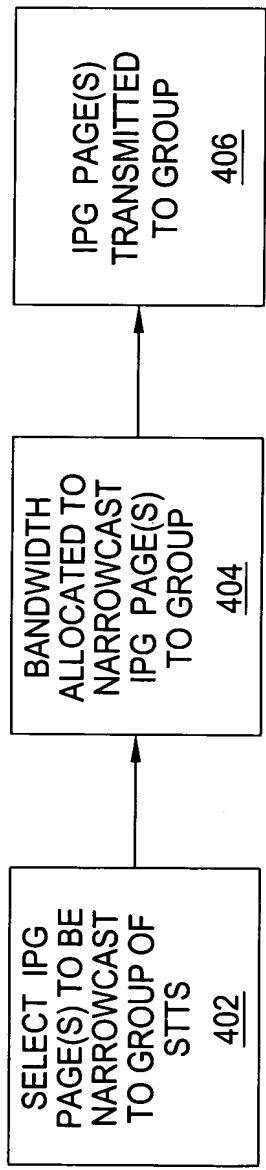
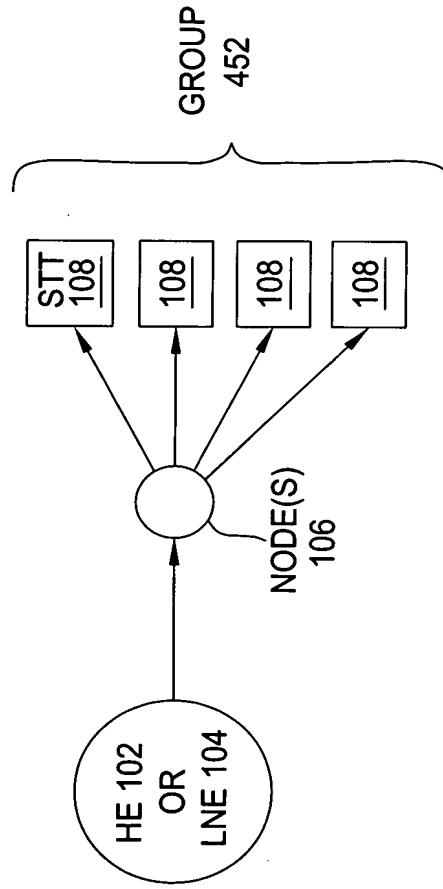


FIG. 3B



NARROWCAST (PUSH) METHOD
400

FIG. 4A



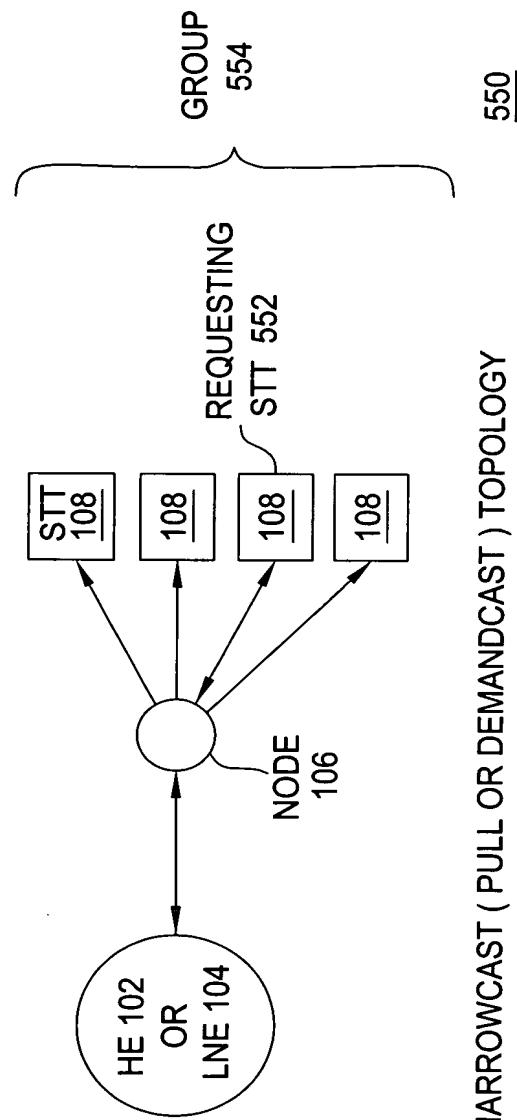
NARROWCAST (PUSH) TOPOLOGY
450

FIG. 4B



NARROWCAST (PULL OR DEMANDCAST) METHOD 500

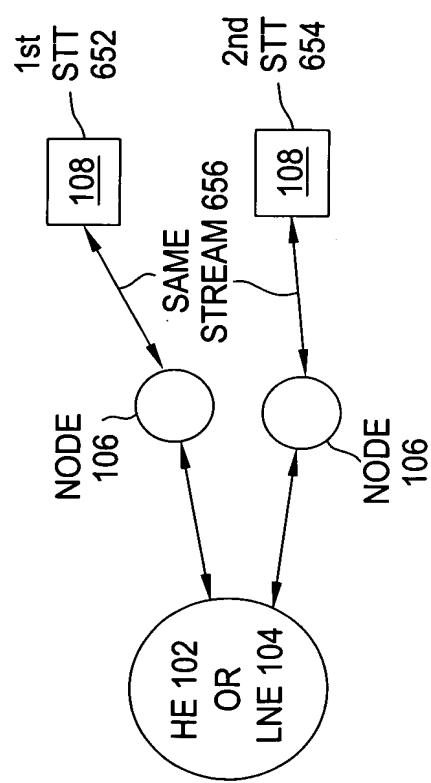
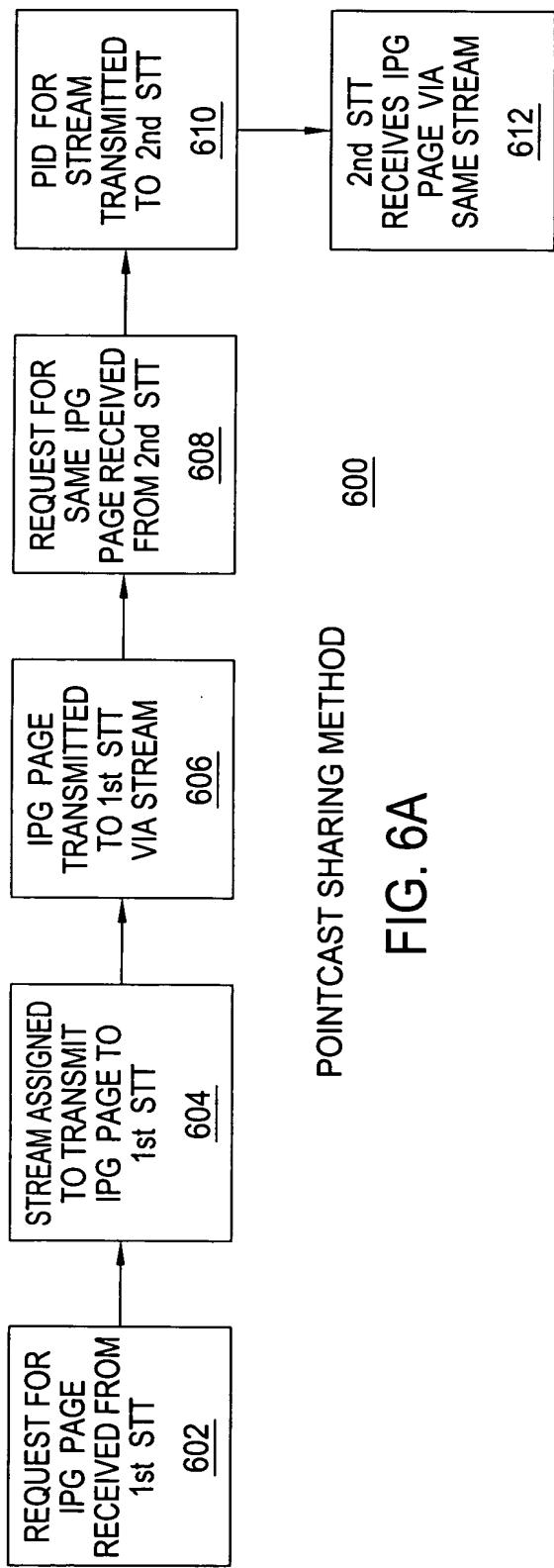
FIG. 5A



NARROWCAST (PULL OR DEMANDCAST) TOPOLOGY

FIG. 5B

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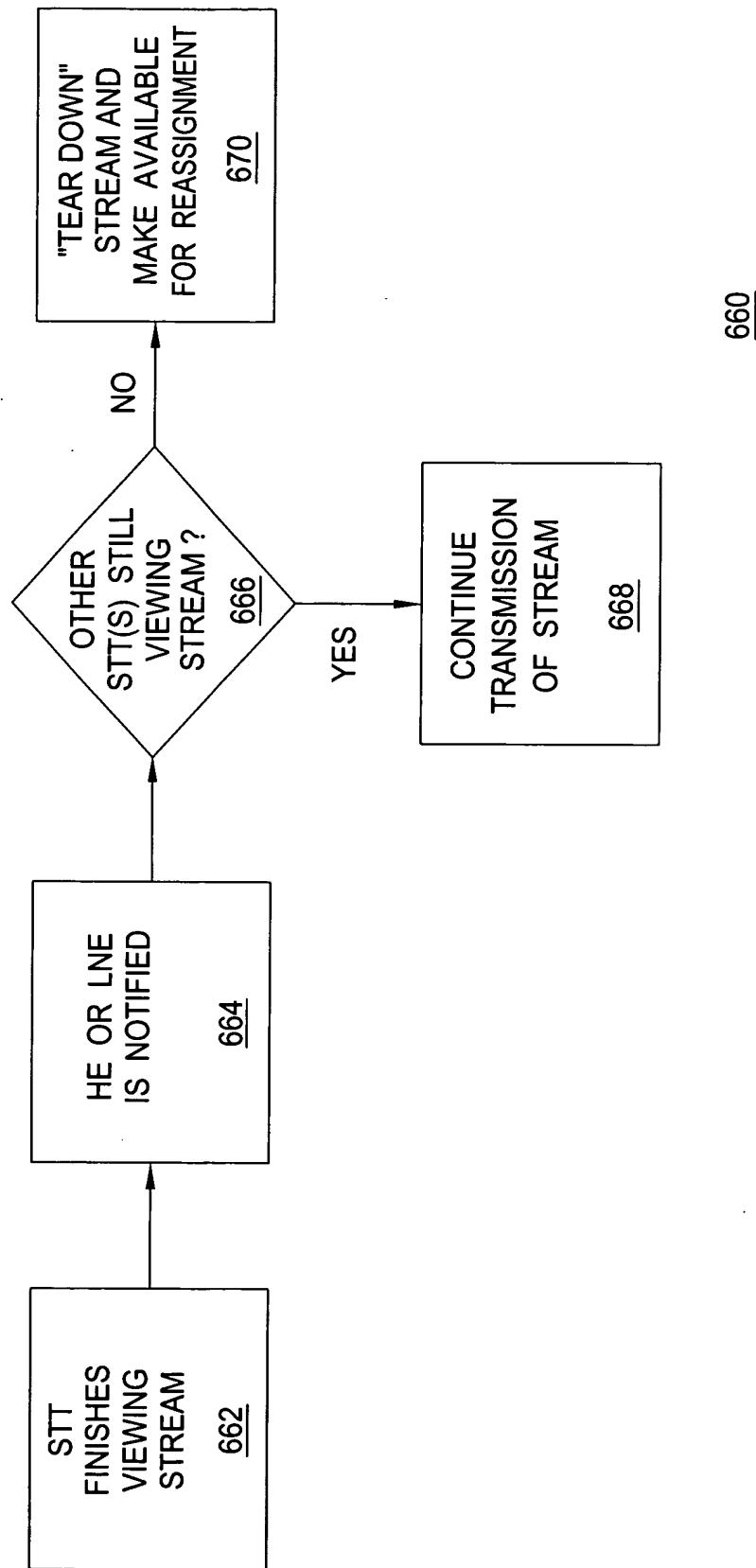
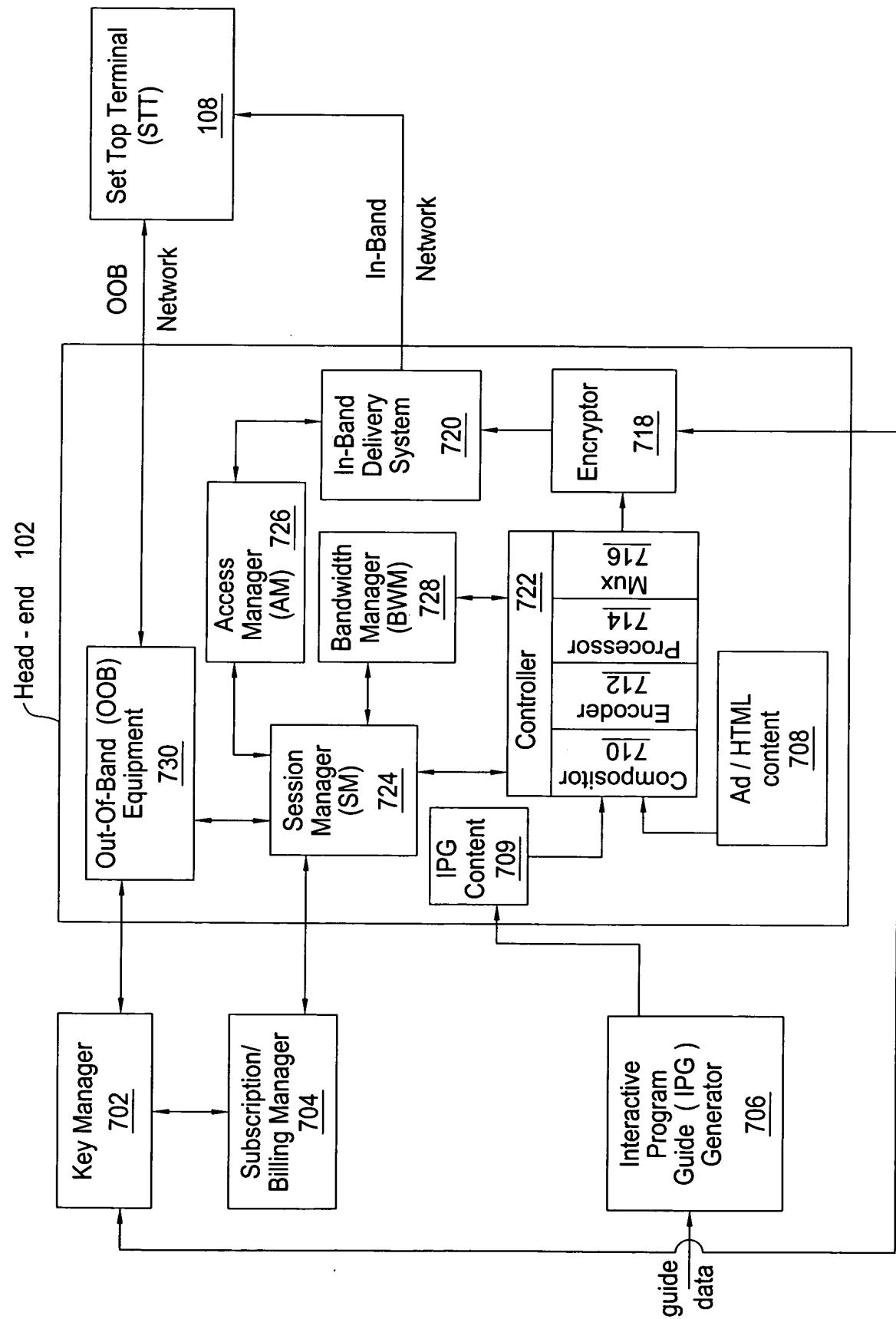


FIG. 6C



700

FIG. 7

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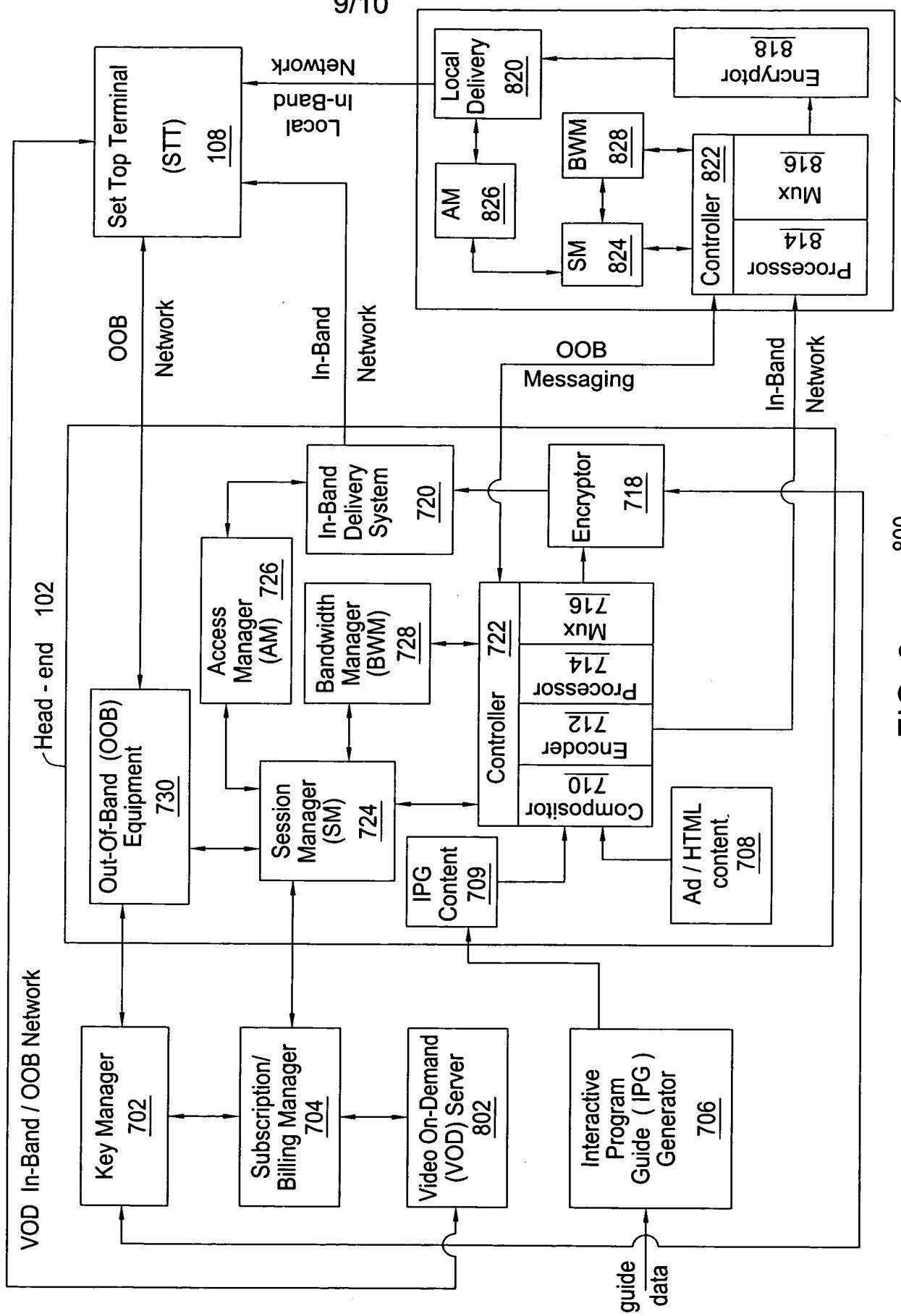


FIG. 8

800

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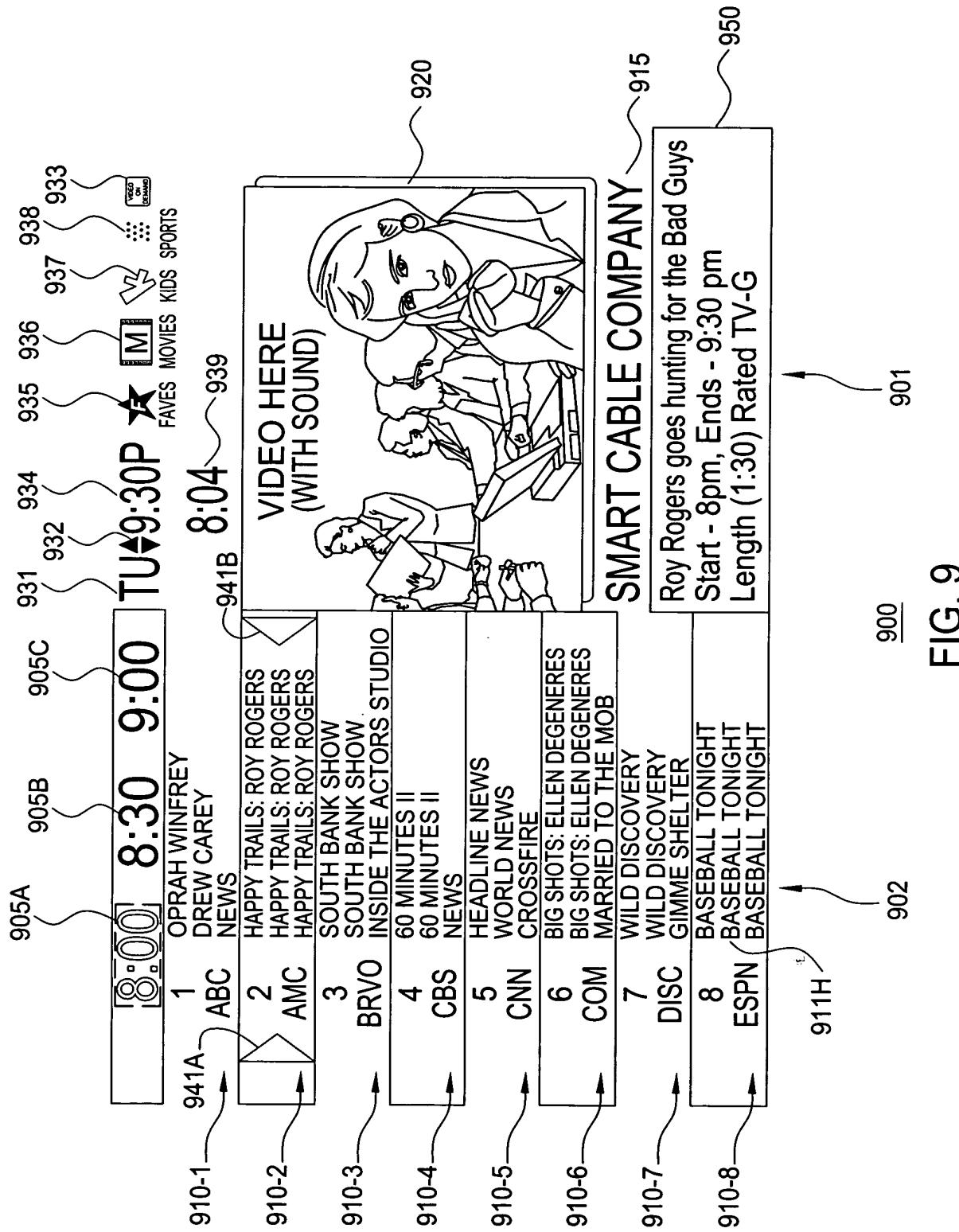


FIG. 9